

● PRINTER RUSH ●

(PTO ASSISTANCE)

13/

Application : 08477983 Examiner : Saoud GAU : 1647
From: NPB Location: IDC FMF FDC Date: 12/16/05

Tracking #: epm 08477983 Week Date: 09/26/05

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449		<input type="checkbox"/> Continuing Data
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<input type="checkbox"/> OATH		
<input type="checkbox"/> 312		
<input type="checkbox"/> SPEC		

#2

ATTN : CHIEF DRAFTS PERSON OF THE OFFICE OF PATENT PUBLICATION

[RUSH] MESSAGE:

Drawing sheets dated 10/06/99 are illegible for capture.

Please provide replacement sheets.

Thank you

[XRUSH] RESPONSE:

Dues corrected

INITIALS: *WJ*

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

FIG. I

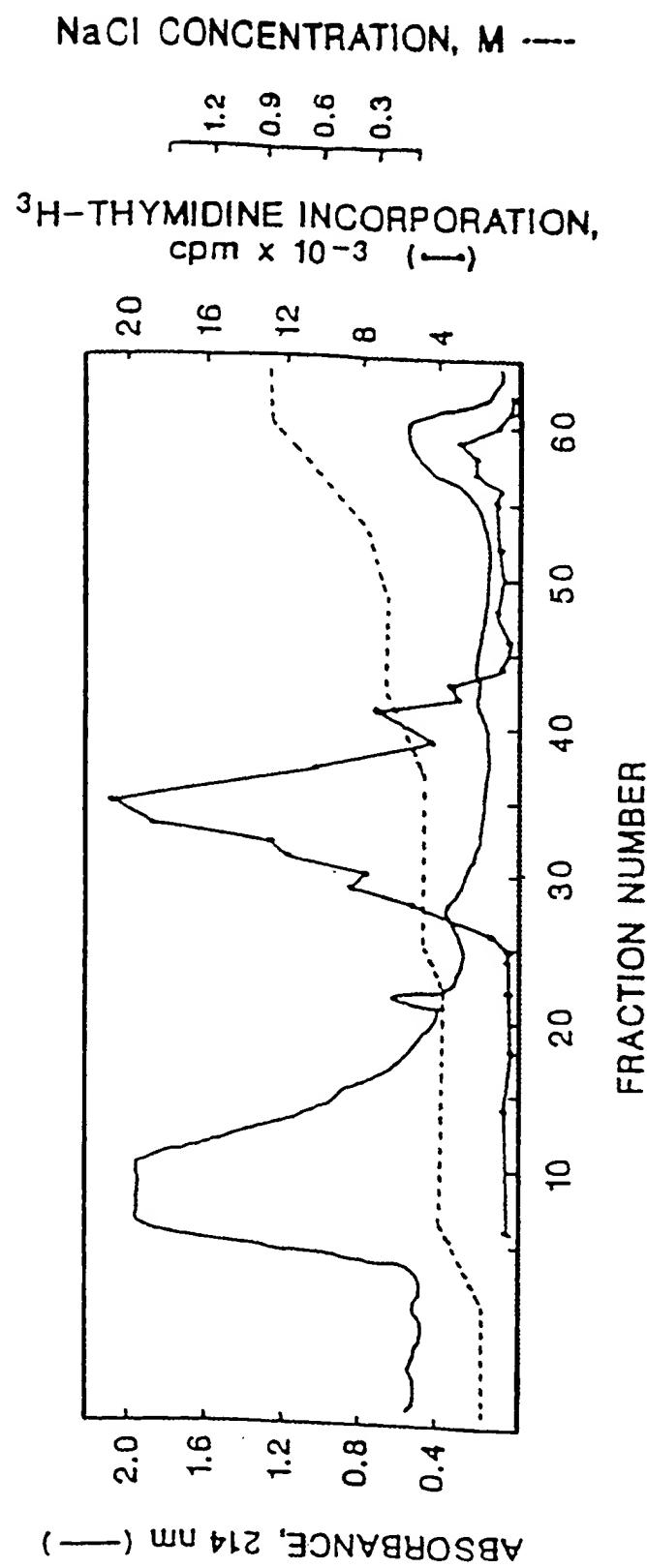


FIG. 2A

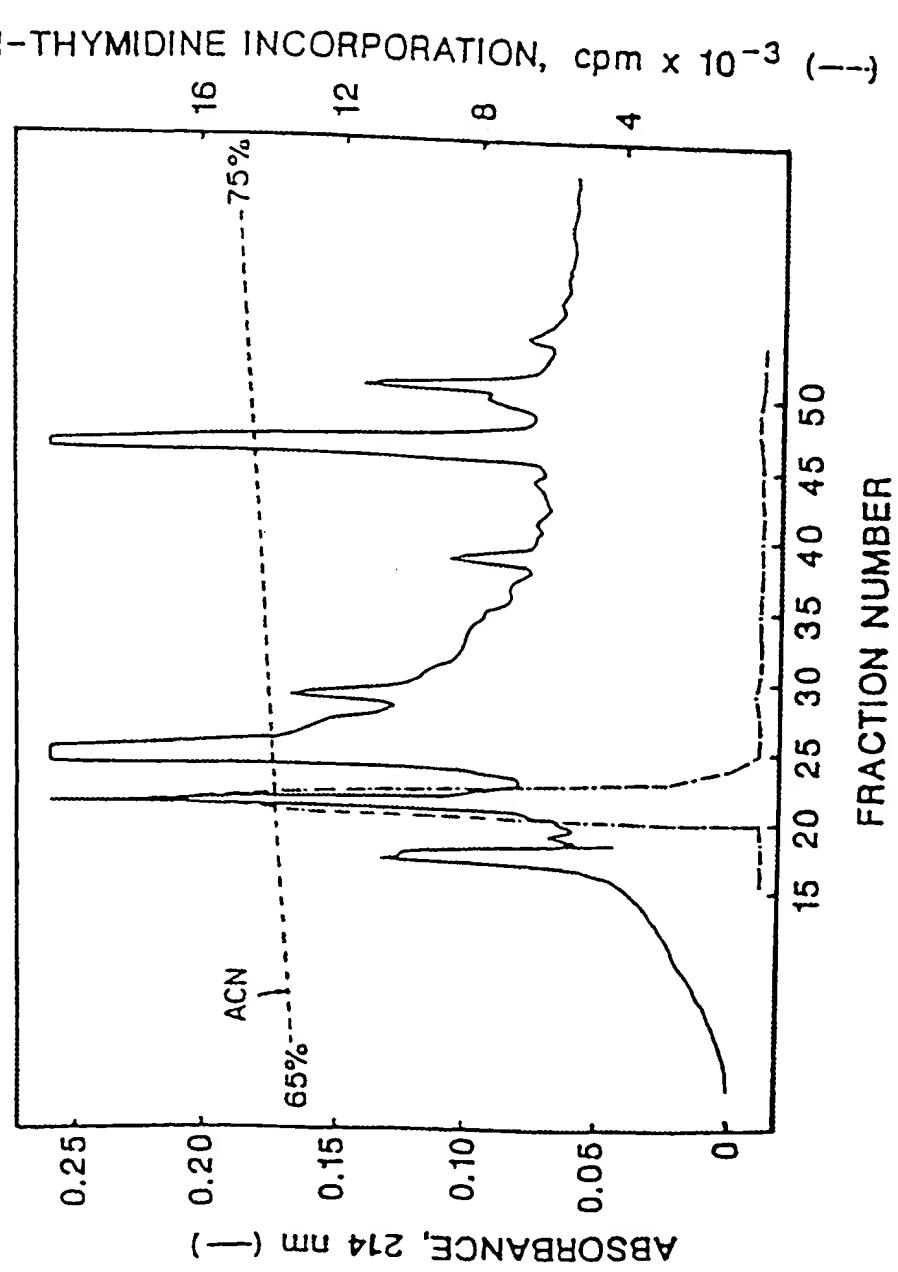
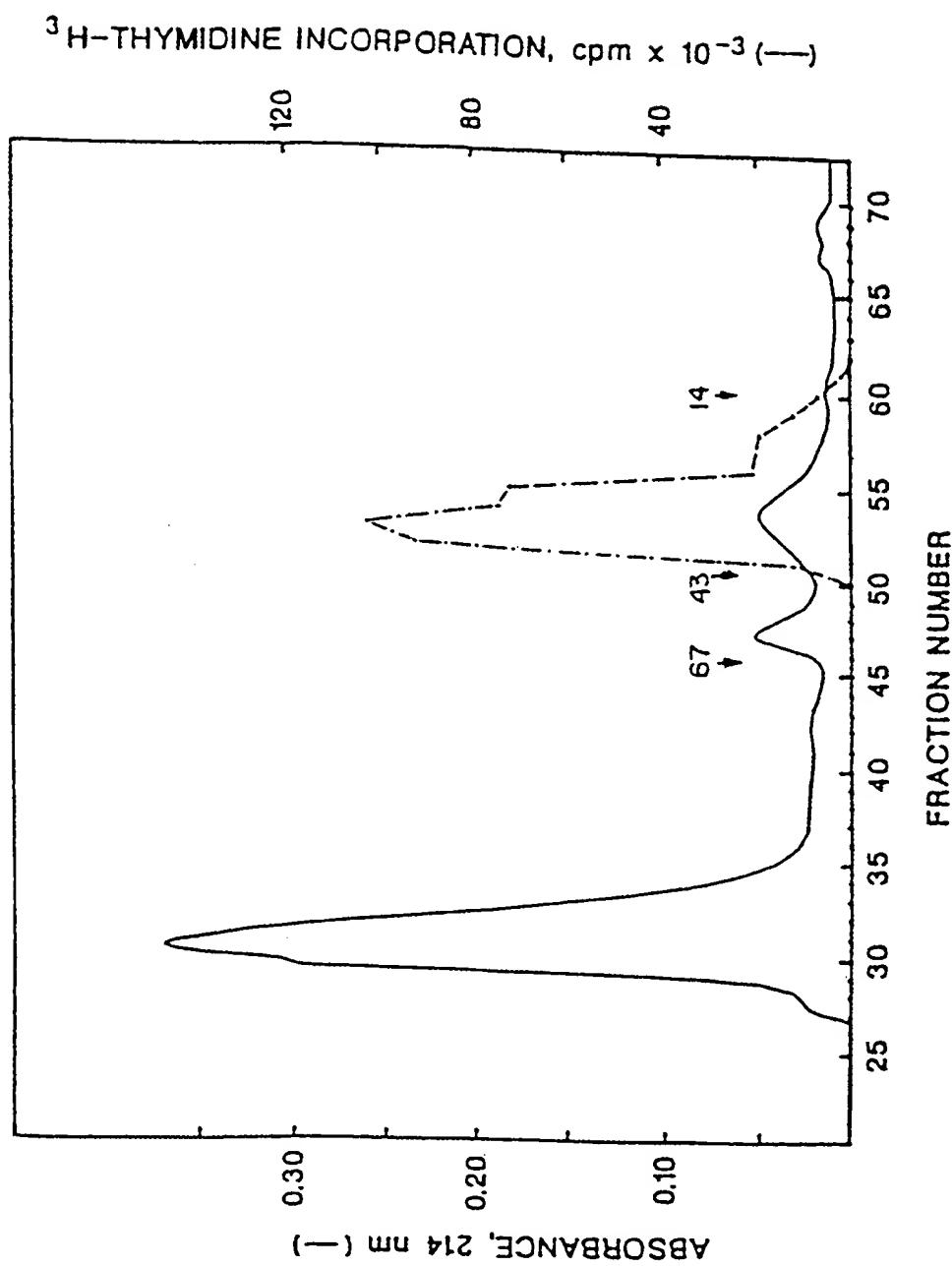


FIG. 2B

94 → 
67 → 
43 → 
31 → 
20.1 → 
14.4 → 

19 20 21 22 23 24 25 26
FRACTION NUMBER

FIG. 3



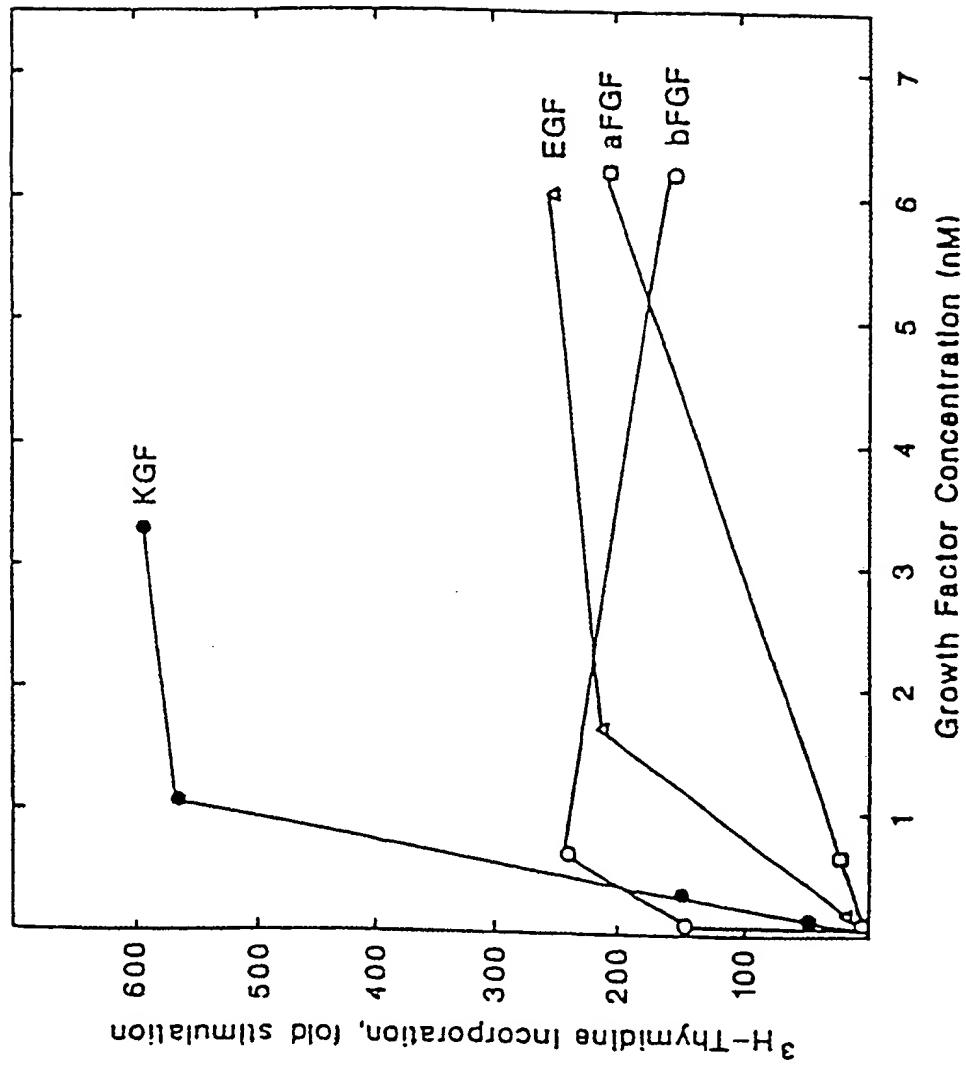


FIG. 4

FIG. 5(a) FIG. 5(b) FIG. 5(c) FIG. 5(d)



FIG. 5(e) FIG. 5(f) FIG. 5(g) FIG. 5(h)

FIG. 6

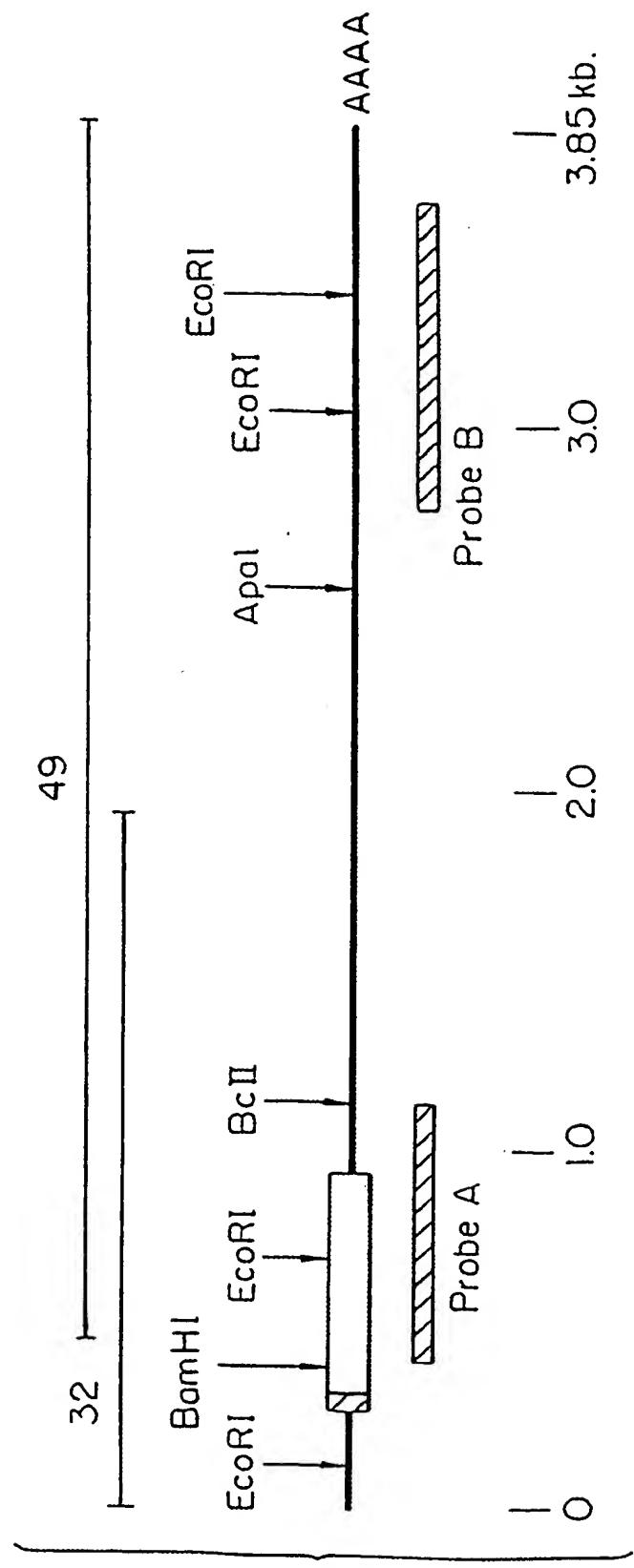


FIG. 7A

7B

1 ACGCGCTCACACACAGAGAGAAAATCCTTCTGCCTGTTG
 121 GCACCAGGCAGACAACAGACATGGAATTCTTATATATCC
 241 TTATCAACAGAGTTATTAAGGAGGAATCCTGTGTTGTT

361 AAGAGGTCAATGACCTAGGAGTAACAATCAACTCAAGAT

20
 481 *L L Y R S C F H I I C L V*
 TTTCCTCTACACATCATCCTTACATTATCTGTCTAGT

60
 601 CACAAGAAGTTATGATTACATGGAAGGAGGGATATAAG

100
 721 *N N Y N I M E I R T V A V*
 GAATAATTACAATATCATGGAATCAGGACAGTGGCAGT

140
 841 *C N E D C N F K E L I L E*
 ATGCAATGAAGATTGTAACCTCAAAGAACTAATTCTGGA

180
 961 *P V R G K K T K K E Q K T*
 TCCTGTAAGAGGAAAAAAACGAAGAAAGAACAAAAAAC

1081 TGGACTGTTTCTTCTTCTCAAAATTTCTTCTTT
 1201 ACACTGCATTAAGAAAGATTGAAAAGTATACACAAAA
 1321 TAAATTAAATTACCCCTAACAGAGTATGTTAGATTGATTA
 1441 GGTATATCAGACCTACAGGCTCTGGCAGGATTGTCAG
 1561 AATCAGAAAAAAATTCTCAAAAAAACTATTATGAAAGT
 1681 TCAAGTGGAAAGGGTATTGCTAAAAGGATGTTCCAAAA
 1801 CCTCAAAGTAAAATTGAGAAATCTTAAGTTTTTCAAA
 1921 TTCCATGGTTACAGCATTAAACTCTATTAAAGTTGTT
 2041 TTTTAATTAAAGGAAATAACAAAACGTCTGGCTCAAC
 2161 ATAAGAGCCTGAAGCAATGCTTACAATAGATGTCTCAC
 2281 ATATAAGTATTACAGGATTAAAGTTAGAATATATT
 2401 TGTTCAAAGGTGGCAGCACTGAAAGTTGTTCTGTT
 2521 CCTACAGATAACAGGATTATTACAAGGATGAATTCCAC
 2641 GTATGCTAACCAACTGTGGTTAATTCAAATATTGT
 2761 CAATAGATTCAATTAAATTCTGTGTTGACCTATACG
 2881 CACCTGATTCAAGGACTTGTCTAGCTAGGTTGAGGTC
 3001 GCAGACTATCTGTTCAATCAGTTTCAGTGTGAATT
 3121 TTAAATAGAAAATAGTGTATATAACATAAAAATACAAGCT
 3241 ATTTAGTGGTAATCCATTCTGGTAGTATAAGTCACCT
 3361 AAATTGCTCTAGTTACACACCTTAAAGATTCTAGAATA
 3481 GCTGGGTAGATATACAGCTGTACAAGAGTCTAGATCAG
 3601 AGATATAGCCTTACATTGTACACAAATGTGACTATGT
 3721 TCAATTCTGATTCTTACCTTGTGTTATGAATGGA
 3841 TCTAACATTAGAAAAAA

7B

FIG. 7B

7A

7C

ATTTATGGAAACAATTATGATTCTGCTGGAGAACCTTT
AGCTGTTAGCAACAAAACAAAAGTCAAATAGCAAACAG
ATCAGGAACTAAAAGGATAAGGCTAACAAATTGGAAAG

TCATTTCAATTATGTTATTCAACACCCGGAGCACT

30
G T I S L A C N D M T P
CGGTACTATATCTTAGCTCGCAATGACATGACTCCAG

70
V R R L F C R T Q W Y L
AGTGAGAAGACTCTTCTGTCGAACACAGTGGTACCTGA

110
G I V A I K G V E S E F
TGGAATTGTGGCAATCAAAGGGTGGAAAGTGAATTCT

150
N H Y N T Y A S A K W T
AAACCATTACAACACATATGCATCAGCTAAATGGACAC

190
A H F L P M A I T *
AGCCCACCTTCTCCTATGGCAATAACTTAAATTGCATA

ATTTTTAGTAATCAAGAAAGGCTGGAAAAACTACTGA
ATCAGATTAGTAACTAAAGGTTGTAAAAAAATTGTAAA
TCTGATAATGATTATTAAATATTCTATCTGCTTATA
ATAATCAAGCCACACTAACTATGGAAAATGAGCAGCAT
CAATAAAATAGATAATTAAACAAAAGTACAGGATTAGA
ATCTTGTATATAAGATAGCAACAGTGATTGATGATAAT
GTAACATAATCTATCTTGTATAATTCTATATTGGAA
TTTGAACCTTATTGTTTGTATTAAAGTTATGTTAT
GGCAAGTTCCCTCCCTTCTGACTGACACTAAGTCT
CAGAACAAATAAAATATGTAACAAACTCTTCAACCACAT
GAATGCATGGGTAGAAAATATCATATTAAACTATG
AGATGGCAAGAGCACAATGCCAAAATAGAAGATGCAG
TTCAAAAGTCTTCATTGGCAGATCTGGTAGCACTT
CATTCAAGTCCCTTACATAAAATAGTATTGGTAATAC
ACCAGGATGTAGAAAACTAGAAAGAACTGCCCTCC
AGGCTTCAGTAACTGTAGTCTTGTGAGCATATTGAGGG
ACTGAATGTTTATAGACAAAAGAAAATACACACTAAA
ATGTTAGGACCAAAATGCTCTTGTCTATGGAGTTATAC
AAAAAAAGACTCTAGAAATATGTAACCTTAATTATTGT
TTAAAAACTGTAAGGGGCCTCCATCCCTCTTACTCATT
TTAGCACATGCTTCTACTCTTCGATTATTAGTATTAT
CTTGGCAATGCACATTACACAAATGACTAATCTATAC
AAGCTTGTGCAAAATATACATATAAGCAGAGTAAGCC

7A

7C

FIG. 7C

7B

CAGCTGAGAAATAGTTTAGCTACAGTAGAAAGGCTCAAGTT
 CGTCACAGCAACTGAACTTACTACGAACGTGTTTATGAGGAT
 AGCAAGTACTCTTCTTAAATCAATCTACAAATTACAGATAGG

 M H K W I L T W I L P T 10
 ACACATATAATGCACAAATGGATACTCACATGGATCCTGCCAAC

 E Q M A T N V N C S S P E R H 50
AGCAAATGGCTACAAATGTGAACTGTTCCAGCCCTGAGCGACA

 R I D K R G K V K G T Q E M K 90
 GGATCGATAAAAGAGGCAAAAGTAAAAGGGACCCAAAGAGATGAA

 Y L A M N K E G K L Y A K K E 130
 ATCTTGCAATGAACAAGGAAGGAAAACTCTATGCAAAGAAAAGA

 H N G G E M F V A L N Q K G I 170
 ACAACGGAGGGAAATGTTGTTGCCTTAAATCAAAAGGGAT

 TGGTATATAAAGAACCCAGTTCCAGCAGGGAGATTCTTAAG

 AAAACTGATCAAGCTGGACTTGTGCATTATGTTGTTAAG
 ACTGGTTGTACAATCATGATGTTAGTAACAGTAATTTTTCT
 AAATGGCTGCTATAATAATAATAACAGATGTTGTTATATAA
 TTTAAATGCTTCTAGTAAAAAATTATAATCTACTTAAACTCT
 ACATGCTTATACCTATAAATAAGAACAAAATTCTAATGCTGC
 ACTGTACTTCATCTTACTTGCACAAAATAACATTATAAAT
 TATGGCTTTAATAATGTTCTTCCCACAAATAATCATGCTTT
 TTATAAAAAAAACCTTAATAAGCTGTATCTGTTCATATGC
 AGCACACAGCACTGGGCCAGCAAATCCTGGAAAGCAGACAAA
 ATTCTTGCCAATTAAATTGGATCATATAAGTAAAATCATTACAA
 TATATTAAATTAGTAATTCTAATCTCTAGAAATCTCTGC
 TTAAGAATAAGGGCCCTGAATGTCATGAAGGCTTGAGGTAG
 ATATGTTACCAATGGAGGTCAATATTATCTAATTAAAAG
 ATTATAGATGAGAGTTATGAAAAGGCTAGGTCAACAAAAA
 AGATATACTCTGGGAGAGAGCATGAATGGTATTCTGAACAT
 CAGAGGAGGACTTAGTTTCAATATGTGTTCCCTAGTGCCTA
 CTAATCTTCATTTAAAAGGGTAAAACATGACTATACAGAAAT
 TTCCCATCAAATTACATAGCAATGCTGAATTAGGCAAAACCAAC
 TTTCTCCTATTAAATTATTATGCAAATTAGAAAATA
 GTAGTCTAGGAAATTGAGATTGATACACCTAACGGTCACGCA
 TAGCTAATGGTCTTGGCATGTTTGTGTTTATTCTGTTG
 TGTGATGATTGACTCAAAAGGAGAAAAGAAATTATGTAGTT
 TTTAAAAATGTTCTTGAAGATAAAATACATGAGTT

7B

FIG. 8

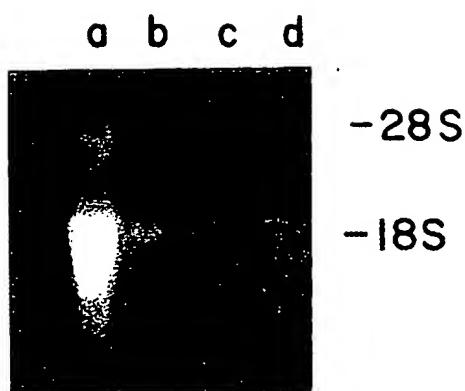


FIG. 9

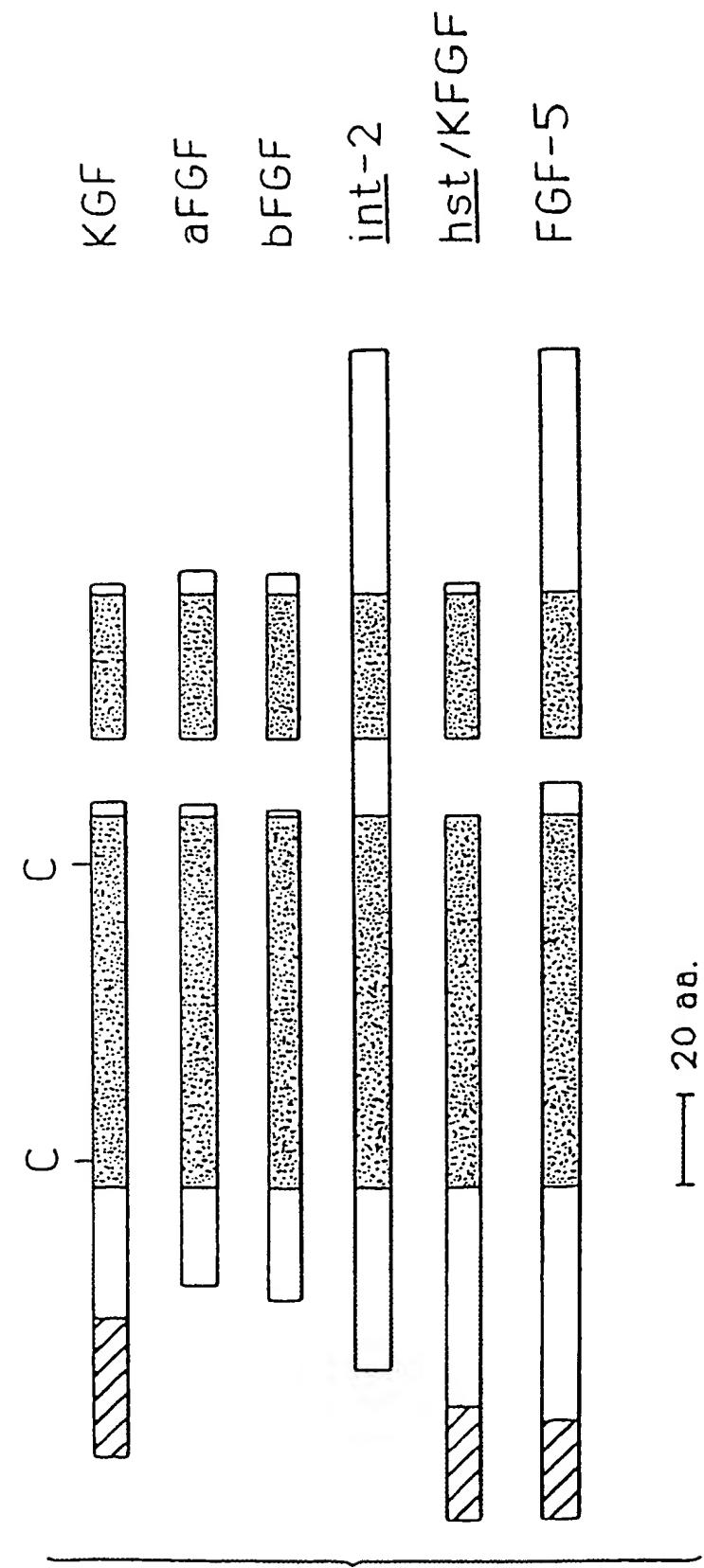


FIG. 10

